Gibson-Drexler Building Santa Maria, California December 13, 1944

Mr. A. C. Young Casmalia, California Agent for O. C. Field Gasoline Corp.



Dear Sir:

Your report of abandonment of well No. 1, Sec. 21, T. 9 N., R. 33 W., S. E. B. & M., Cat Canyon oil field, Santa Barbara County, dated December 12, 194 and submitted to this Division on our Form 103, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

Yours truly,

R. D. BUSH

State Oil and Gas Supervisor

Deputy Supervisor

SGD: OY

CC: Mr. P. D. Bush

 \sim

Date

1944

Aug.3

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL A CAN S REGEOVED

DIVISION OF OIL AND GAS

DEC 13 1944

History of Oil or Gas Well

SANTA MARIA, CALIFORNIA

O. C. Field Gasoline Corp.	Field Cat Canyon
Well No.1 Gerporation ,	Sec. 21 , T. 9N / R. 33W , S.B. B. & M.
	Signed / KO Journ
Date Dec. 12, 1944	Title Agent

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

In addition to records already submitted.

Shot and pulled 10 3/4" Casing from 224!

12 sacks of cement dumped on the stub of the 10 3/4" at 244.

Plug inspected and passed OK. (See your Form 109 dated Aug. 7th., 1944)

Well failed to show any signs of fresh water. Hole was filled to top of 18" conductor with dry shale. A steel plate was welded on top of 18" conductor and the well stands abandoned.

of his

not make the same

me

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 3-2287

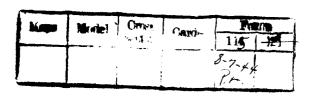
	Santa Mar	ia,	Calif.	August	7. 1044
Mr. A. C. Young, Agent					
Casmalia.	Calif				
Casmalia, Agent for O. C. Field	Gasoline	Corp.	-		
Dear Sir:					
Operations at your well No. 1 Cat Canyon Field, in S. G. Dolman On August 7 On Contractors There was also	Sec. 21 Santa B	, T. arbara	9N., R.	33W. S	.В. в. & M.,
S. G. Dolman				County, were	e witnessed by
August 7, 19 44. There was also	present Cha	rles N	orth and	Harvey	North,
Casing Record 18" cem. 60'; 10 3/pulled from 224': 8 5/8" and 7	4" cem. 27	96', 80691	KXK de	c. def.,	shot and
from 2830; 5 3/4" liner lande	A 55361_60	631	W. D. O.	Shot 8	and purred
AND THE PETER TROIT OF THE	TAL CAPTA	7300	\$ 20] 11 mm	or perr.	on bottom.
2241, 27821-28301, 59301-59721	, and 7112	7382	· FIGER	A WILLII C	em. 199 -
The operations were performed for the purpose of a cement plug proposed to be placed abandonment.	f testing laced from	224 t	cation to 199	and hard in the r	ness of
The inspector arrived at the well at 10:00	a.m. and Mr.	North			reported:
3 mb - 30 g/4# .					-

- The 10 3/4" casing was shot and pulled from 224'. On August 3, 1944, 12 sacks of cem. was dumped on the stub of the 10 3/4" casing at 224'.

THE DEPUTY SUPERVISOR NOTED THE FOLLOWING:

The bailer could not be spudded below 199' and brought up a sample of set cement.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 199 ARE APPROVED.



R. D. BUSH

28381 10-49 15M STATE PRINTING OFFICE

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P. 3-3486
Santa Maria, Calif. July 24, 1944
MR. A. C. Young,
Casmalia, Calif.
Agent for O. C. Field Gasoline Corporation
Dear Sir:
Your supplementary proposal to abandon Well No. 1
Section 21 , T. 9N. , R.33W., S.B. B. & M., Cat Canyon Field, Santa Barbara County,
dated July 20, 1944, received July 21, 1944, has been examined in conjunction with records filed in this office.
Present conditions as shown by the records and the proposal are as follows:
RECORDS: The condition of the well is as stated in the notice.
"The present condition of the well is as follows: 18" Cemented 60'; 10 3/4" Cemented 2796', Decision Deferred; 8 5/8" and 7-5/8" Cemented 6052', W.SO. Shot and pulled from 2830'; 5-3/8" liner landed 5536'-6963' with 640' of perforated on bottom. Cut and pulled from 6763'. Total depth: 7382'; plugged with cement 2782'-2830', 5930'-5972', and 7112'-7382'."
PROPOSAL: "The proposed work is as follows: Shoot and part 10 3/4" casing from as low a depth as possible. Place cement bridge on top of 10 3/4" left in hole before removing 10 3/4" casing, Cement bridge or cap to be not less than 30' in thickness. After removal of the 10 3/4" it is our intention to bail the well and if fresh water in quantity appears to reinsert casing in such amount as is needed."
DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT: 1. THIS DIVISION SHALL BE NOTIFIED TO WITNESS: The location and hardness of cement plug on stub of 10 3/4" casing.

No bond required.

CC - Mr. W. C. Penfield - Mr. F. H. Johnson - P.A.W.

Model | Cross Carde R. D. BUSH

Deputy

DIVISION OF OIL AND GAS

DIVISION OF OIL A GAL REGELVED

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin NANTA MARIA, CALIFORNIA

Casmalia Calif. July 20, 1944

DIVISION OF OIL AND GAS

	In compliance with Section 3:	229, Chapter 93, Statutes of 1939, notice is hereby given that it	is our
intenti	on to abandon well No. 1 Composition		
Sec. 2	1 , T. 9N , R. 33 W. ,	S.B. B. & M. Cat Canyon	Field,
	Santa Barbara	County, commencing work on the 25th	day
of	July		

Santa Maria Calif.

The present condition of the well is as follows:

18" Cemented 60; 103" Cemented 2796, Decision Deferred; 8-5/8" and 705/8" Cemented 6052; W.SO. Shot and pulled from 2830; 5-3" liner landed 5536:-6963; With 640; of perforated on bottom. Cut and pulled from 6763; Total depth: 7382; plugged with cement 2782:-2830; 5930:-5972; and 7112:-7382;

The proposed work is as follows:

Shoot and part 10 3" casing from as low a depth as possible, Place cement bridge on top of 103" left in hole before removing 10 3" casing, Cement bridge or cap to be not less than 30' in thickness. After removal of the 10 3" it is our intention to bail the well and if fresh water in quantity appears to reinsert casing in such amount as is needed.

Modera Corres Course France

O. C. FIEID GASOLINE CORPORATION

By (Name or operator)

255 San Marcos Building Santa Barbara, California August 29, 1939

Mr. A. E. Ireland, Agent, O. C. Field Gasoline Corp., P. O. Box 7, Casmalia, California.

MALES VINDON HATTER

Dear Sir:

Your report of abandonment of well No. 1, Sec. 21, T. 9 N., R. 33 W., S. B. B. & M., Cat Canyon field, Santa Barbara County, dated August 25, 1939, and submitted to this Division on your form, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have now been fulfilled.

Yours truly,

R. D. BUSH

State Oil and Gas Supervisor

By

Deputy Supervisor.

SGD:OM CC - Mr. R. D. Bush

n

Main None 1918 Sach

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

	•	•			-	No. T 3	<u>-1832</u>
		Sente	Barbera,	Cali	f. Augus	st 8,	19 59
1 /	A. E. Ireland,						
TATT •	Casmalia,		Calif.				
	Agent for 0. C.	Field Gasolin	e Corporati	or.			
Dear	Cm.				· 1212 127	en 10	•
ı	Operations at your well No	1	Sec	, T. 9 1	, R. 33 W.	• , B• B	<u></u> B. & M.,
	Cat Canyon						
	S. G. Dol	man			, representa	tive of the	supervisor,
	August 7 , 19 39	There was also prese	nt A. E. I	reland,	Superinter	ndent, a	nd
	. Kreutzer, driller						
	Casing Record 18" cem. 60*	10-3/48 com-	27961 . dec	Tues	k 7-5/8"	easing 2	8501 -
	Casing Record 13" Come Company	AOBR' W.S.	De Shot an		52'; 5-3/		
	lled from 2830'; 5-3/4"]					·	
	of perf. on bottom.						
	al depth: 7582'; plugger		'82'-2850',				
59:	30'-5972', and 7112'-738	2 [†] •					
	The operations were performed for	the purpose of to	sting the 1	ocation	and hardne	ess of a	cement
_plu	g proposed to be placed	from 27761 to	2836' in t	he proce	es of abai	ndonmen t	<u>i.e</u>
and t	the data and conclusions are as follo	ws:	1				
M.	1. The 8-5/8" and 34' c 2. The hole was filled stub of 7-5	of the 7-5/8" with heavy mu	d to 2830'	and a wo	oden plug	driven	in the
	5. On August 5, 1939,	e secks of Vi	CTOP COMENT	was aw	idea ar se	<i>5</i> 0 •	
THE	DEPUTY SUPERVISOR NOTED 1. The bailer could not cement.	THE FOLLOWING	: elow 2782'	and brow	ight up a	sample o	of set
THE	LOCATION AND HARDNESS OF	THE CEMENT P	PIUG AT 2782	e' are ai	PROVED.		

Main	Michigan	17 441	CHYTH	100000000000000000000000000000000000000	**************************************
1919/5/70	i lancon.	See See			12.1
MARKET MARK & F. SAM. P.	Salvag () (Salvage 10) or (a differen	i de la compania del compania de la compania del compania de la compania del compania de la compania de la compania de la compania del compania de la compania de la compania de la compania del compania	i		
	}	į	•	0/	

R. D. BUSH
State Oil and Garager visor

By

Deputy



DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

						ı	Vo. T 3-18	31
			Santa	Barbara,	Calif	August	5,	19.39
Mr.	A. E. Irela	nd,						
		Casmalia,		Calif.				
	Are	ent for O. C. Fiel	d Gasol	ine Corporation				
DEA	ar Sir:							
	Operations at you	r well No. 1		Sec. 21 , T.	9 N.	R. 33 W.	S. B. B	. & M.,
	Cat Canyo	nField	, in	Santa Barbara		County	. were witne	ssed by
		S. C. Dolman						
	August 2	., 19 There wa	1	A. E. Irela	nd, Su	erintende	ent, and	CI VISO1,
On	J. C. Cradd		is also prese	nt				
	C-: B 1	8" cem. 60'; 10-3/	4" cem.	2796'. dec.	1, ,	5-3/4" 11:	er 6763'	
	J	nd 7-5/8" cem. 605			1 "	31 .		
		536'-6963' with 64			1			

		from 6763'. Tota						
<u>p.</u>	lugged with o	ement 5930'-5972'	and 711	2'-7382'.				

	The operations we	re performed for the purp	ose of tes	ting the locati	on and	hardness	of a cem	ent
pli	ug proposed t	o be placed from 6	032' to	6072' in the p	rocess	of abando	nment.	
and	the data and conclu	usions are as follows:						
		D REPORTED THE FOI	LOWING:					
	1. A cement	plug was placed i						
	2. On America	pulled from 6763° t 1, 1939, 12 sack						
	no or mean	instead of 6072'						
		measurement.						
THE	DEPUTY SUPER	VISOR NOTED THE FO	LLOWING	:				
		er could not be sp			brough	t up a sai	mple of s	et
		cement.						
THE TOP	TOCAMTON AND	THE PROPERTY OF THE P	ם יווואינואינוו	TITE AM BOSO A	ממנדע שנ	OTOTO .		

Mass. Mone 300 months

5 021

R. D. BUSH
State Oil and Gas Superstate

By

Deputy

DIVISION OF OIL AND GAS

Report on Proposed Operations

					No. P. 3	-3227
	Santa E	arbara,	Calif.	August	3,	19.39
Mr. A.	E. Ireland,	~~~~~				
	Casmalia,	Calif.				
	Agent for 0. C. Field Gasoline	Corporation		•		
Dear Sir:					•	
Yo	urproposal to_	abandon	Well	No	1	,
Section 21	, T. 9 N. , R.33 W. , S.B. B. & M.,	Cat Canyon	_Field, _	Santa	Barbara	County,
dated Aug.	2, 19 39, received Aug. 3, 19 39	, has been examined in	n conjunc	tion with r	ecords filed in	n this office.
	sent conditions as shown by the records and					
	The condition of the well is CE STATES:	as stated in the	ne noti	.00		
	present condition of the well 18 " cemented at 60 feet 10 3/4" 45 # cemented at 2796 7 5/8 " 33 # cemented at 6052 5 3/4 " liner hung 5536 to 69 Top oc chirt zone 7170 tested 1800 barrels per day. Chirt zone plugged from botto Zone from 6052 to 7118 tested	decision defere water shut off 63 last 640 feet and found wet m to 7118' 60 se	ek. : perfo 125 gra 1cks ce	ins sal	t estima	ted
PROPOSAL "The	ne oil or gas." : proposed work is as fellows: Cut and pull all 5 3/4 pessib Place cement plug from 6072 - Cut and pull all 7 5/6 pessib Place cement plug 2836 - 2776 Notify your department to wit	6032 le and fill with and convert 10	3/4 to	water	well if plug	p ossible S s •
DECISION	:					
Weis	PROPOSAL IS APPROVED.					
	W. C. Penfield ta Maria Office					

Mape	Na dut	Marie Crise Carde	er 3	Horne.		
	1651 1114		i dana	5	121	
-	1	i		29	3	
		1		11.5	d-15/	

- Santa Maria Valley Cons. District

R. D. BUSH

By Deprison Deprison

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin

**********************		w.s	19
	n sing	ion of oil an d (AS
		ECETVEL	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	SANTA	BARBARA, CALIFO	ria
718, Statutes of 1915	, as amended, not	ice is hereby give	en that it is
	, Sec. 21	, T. 	-N
Cat Canyon			Oil Field,
County, comr	nencing work on t	he 5 rd	day
19 39	-		
water shut off 63 last 640 feet and found wet 4	ok. perforated t		
1	718, Statutes of 1915 Cat Canyon County, comments 19 39 lows: decision deference water shut off 3 last 640 feet	Cal. SANTA 718, Statutes of 1915, as amended, not Cat Canyon County, commencing work on t 19 59 lows: decision defered water shut off ok. 3 last 640 feet perforated t	SANTA BADBADA, CALIFO 718, Statutes of 1915, as amended, notice is hereby give 1 , Sec. 21 , T. 2 Cat Canyon County, commencing work on the 5 rd 19 39 ows: decision deferred

Cut and pull all 5 3/4 possible
Place cement plug from 6072 - 6032
Cut and pull all 7 5/8 possible and fill with heavy mud
Place cement plug 2836 - 2776 and convert 10 3/4 to water well if possible
Notify your department to witness depth and hardness of cement plugs.

Mans Model Cross Cards Forms

O. C. Field Gasoline Corporation

Name of Company or Operator

By Notice Street Company or Operator

2

SUBMIT LOG IN DUPLICATE

FILL T LANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PA ON

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

AUG 2 9 1939

Abantoned (Attach Copy of Log)

			•						
			LO	G OF OIL	OR GAS W	ELL	SINTA DAI	CALITO	· ·
Operator.	0. C. F	TELD GASOI	INE CORPO	RATION	Field 1	os Thomas	Car	any	m
Well No.	Compos		1	Sec	21, 7	9 N	, R. 33 W	, S. B	•B. & M.
Location	980' E.,	570' N. c	f W. 4/co	rner	Elevation of d	errick floor ab	ove sea level	975	feet.
and corre	In compliance	with the prove	visions of Char lition of the w	pter 718, Status	tes of 1915, as a done thereon,	mended, the ir	nformation give se determined fr	n herewith is a	complete e records.
	August 25,						96 Vx		
1	W. W. Porte	er	A. E	. Ireland		J		~_	
	(Engineer or Geolo	gist)		(Superintendent)			(Pres	sident, Secretary o	r Agent)
Commen	ced drilling	August 29	1936	Complete	d drilling		Dri	lling tools Ro	zix tary
Total dep	oth	Plug	ged depth		G	EOLOGICAL M	ARKERS		TH
Junk	5 - 3/4 6'	76 3 - 6963	5		Top F	oxen sand		104	0
•	7-5/8 2					oxen shal	8	115	0
					Top S	isquoc		249	0
					Top M	onterey		602	
C		No no	andwation		Top M	ain chert		717	0
Commen	ced producing		(date)		Flowing/gas li	tt/pumping			
		_	Clean Oil bbl. per da	Gravity Clean O				Tubing Pressure	Casing Pressure
	Initial p	roduction	None						
P	roduction after	30 days							
		_	1	Casing Recori	D (Present Hol	e)			
of Casing . P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforation
0-3/4	2796	Surface	40.5	New	Seamless	D	15-1/2	500	
7- 5/8	6052	Sufface	33.7	Used	Extreme line	Hydril	9-5/8	100	-7
·····	ļ				TIME		-		
	1			Prevo	PRATIONS				
of Casing	From	То	s	ize of Perforations	Numb of Rov	er Distar	nce	Method of Per	forestone.
	ft.		+						
5-3/4 4-1/2	7132 ft.	696 3 ft	Pulled	except junk	- 10		6**	Shop	
<u> ∓−1/6</u>								Forr	76
	ft.	ft				Marie Marie	Section C	127	721
	ft.	fe	-			860 Re 15	06	19	200
	£-	1 .	. 1			خ ا ت خ	1 1		2 2 2 7

Electrical Log Depths Schlumberger to bottom

O. C. Field Gasoline Cor "COPPORTION #1" Santa Barbara County, California.

DEEPENING RECORD

Original hole suspended November 30, 1936: 10-3/4 casing @ 2797';

T. D. 5446. Deepening Commenced April 30, 1939.

BUTCH AND C BURCHVET AUG 2 9 1939

SANTA BARBADA, CALIFOR

		The second of th
		April 25-29: Conditioning hole and reaming 9-5/8 hole to old bottom 5446'. " 29: Ran Sperry Sun gyroscope survey 2909-5446. " 30: Commenced new hole, 9-5/8. Drilled to 5449.
5449	5 4 5 6	Core #13. 8 inches red. Elliott draghead. Chunks of massive gray shale. Dips about 40°-50°. Fish scales, spines, etc. Sisquoc.
5 4 5 6	5463	Core #14. 6 ft. rec. Hard, dense, gray-brown siltstone. Dip 57°. Irregularities in bedding by swirls. Oriented by Sperry Sun: Dip N.51° W., 49°.
5463	5527	Hughes rock bit #3. Hard shale. Mud #72.
5527	5596	" # #4. Hard shale. Tar shows of questionable origin
5596	5638	on ditch. " " #5. Hard shale.
5638	5691	" " #6. Hard shale.
		Ditch samples 5463-5691 gray and brownish gray siltstone.
5691	5694	Core #15. Rec. about 2 ft. (Elliott draghead). Hard, dense, dark gray fine siltstone or silty shale. Oriented by Sperry-Sun: Dip 12° - 15° N. 5° E. (actually 8° if hole inclination same as at 5446). Inclination is probably less. Sisquoc - Sisquoc forams and also upper Miocene assemblage. Age Upper Del Montian of upper Miocene.
5694	5697	Hughes rock it #7. Hard shale. Reaming and drilling.
5697	5713	n n $#8$ n n . (May 8, 1939) Mud $#73$.
5713	5744	" #9. Very hard. (5 Towers).
57 4 4	5780	" " #10. Hard shale. " " #11. Hard shale, streak sandy. 9-5/8" hole.
5780 58 4 5	5845 5854	Elliot draghead. No recovery. Drilled easily.
·		May 14, 1939: Laid down 5" drill pipe and put in 32" D. P.
5854	5869	Hughes #12. (run again at 5881). Hard shale. 7-5/8" hole.
		May 15, 1939: Ran Lane Wells Single Shot (P.R.S.C.) on drill pipe: INCLINATION DIRECTION
		5775 3° 40' N. 3° E. 5855 3° 30' N. 10° E.

PAGE 2

5869	5881	d f f	2' recovery (Globe dragbit) May 16. All very uniform, lark, gray shale, slightly silty in a few places. Uniform racture at about 8° - 10°. Dip 45° - 50°. Exfoliation or racturing on exposure to air. Not typical of either onterey or Sisquoc. Oriented by Sperry-Sun: Dip N. 31 W., 19°. (observed dip 45°).
5881	5950	Hughes rock	bit #12. Hard shale. Streak or two sandy.
5950	5980	и п	" #13. Hard shale. Hit bridge 9 stands off bottom. Had to drill all the way to bottom.
5980	6000	Hughes #13.	Shell. Mud #76. Treated mud with chemicals.
6000	6033	Hughes #14.	Hard shale. Had to ream 22 stands to get on bottom. 6020 - Top of Miocene from Schlumberger run June 5, 1939. May 21st: Hughes #15 would not go to bottom. Ran Fleet reamer. Reamed from 25 stands up. Laid down crooked drill pipe.
6033	6044	Hughes rock	bit #15. Hole swelled. Kinked several joints of drill pipe coming out. Mud #78.
6044	6052	Hughes #16.	· · ·
6052	6061	Hughes #16.	Hard shale. Tight hole 7 stands. Reamed on way out.
6061	6093	Hughes #17.	Hard shale and thin shells. Had to ream to get to bottom. Put 3 way blade reamer on tool joint 6 stands and single off bottom. Change in color of cuttings to browner at 6080. Twist-off
6093 6107 6110 6122	6107 6110 6122 6134	Hughes #18. Hughes #18.	leaving 58 stands and single in hole. Fished out same next tower. Hard shale mixed with soft streaks.
6134	6134 1	Core #17.	6" recovery (Globe). May 29, 1939. Bonded and laminated dark gray and brown, somewhat silty shale. Dip 45°. Miocene. Sperry Sun orientation: No polarity.
			May 29th to June 5th. Changed mud. Conditioned with aquagel. Commenced reaming 7-5/8 hole to 9-5/8. (Hughes reaming bit). June 3 elevator block broke and dropped pipe. Pipe stopped at 30 ft. up in derrick. Pulled pipe and fished out reamer cutters. Reamed to about 6097 added aquagel and circulated.
			June 5th. Ran Schlumberger to 6135 (bottom). Ran Schlumberger dip meter for directional survey. Surveyed 6100-6020: Incl. 3020', Direction N. 10 E. Dip meter stuck at 6010 and cable pulled off.
			June 6th. Fished out dipmeter undamaged: June 7th. Ran Eastman under reamer and resmed 9-5/8 full
			June 8th. Ran casing to 6052.

Casing: 3484.26 feet of 7-5/8, #33.7, extreme line Hydril with regular Baker cement shoe 7-5/8" 0. D.

2594 feet of 8-5/8" #36 extreme line Hydril.

Landed at 6052 and cemented with 100 sacks Victor Hi-early by Perkins, 2 plugs, final pressure 1000#. Very slight gas show while cementing.

WSOK

Note: Due to condition of hole, and repeated reaming, and low mud velocity, ditch samples were of small value. Top of Miocene occurs between Core #16 at 5881 and Core #17 at 6134, and shows prominantly on Schlumberger at 6020.

June 10, 1939: Found top of cement and drilled out. Found bottom at 6144.

Shut-off Test: Eastman tester set June 12th. Packer set at 6032 with bottom at 6174. Open 35 minutes fluid rise 130' ft, mud (1 bbl.) W S O K. Temperature 170°, Max. pressure #3600; pressure while tester open #500.

6144	6 156	Hard shale, Hughes 6-5/8 #1
6156	6158	Shell Hughes 6-5/8 #1
6158	6164	Hard Shale Hughes 6-5/8 #1
6164	6174	Hard Shale Hughes 6-5/8 #2
	6174	T. D. June 12th, 1939. Mud: 70#, Vis. 43.
6174	6195	Hard shale, Hughes 6-5/8 #3, Mud 72#, Vis. 36.



O. C. Fiela dasoline Corp. #Corporation #1

PAGE 4

	·	
6195	6213	Hughes 6-5/8 #4. Hard shale and shells. Added 8 sacks aquagel.
		Mud v1s. 40.
6200		Eastman Single Shot: Hole off 3-1/2°, N. 5° E.
6213	6226	Hughes 6-5/8 #5. Very hard shale and shell. Mud 70; Vis. 42.
6226	6233	Hughes 6-5/8 #6. Hard shale. Reduced hole to 6-1/2. Same to bottom.
623 3	6242	Hughes 6-1/2 #1. Hard shale or shell. Ran Eastman Single Shot 6242:
		off 30, N. 12 E.
6242	6262	Hughes 6-1/2 #2. Hard shale and shell. Log color more brown-gray.
6262	6282	Hughes 6-1/2 #3. " " " . Eastman Single Shot at 6280:
		off 3-1/4°, N. 15° E.
6282	6308	Hughes 6-1/2 #4. Hard shale.
63 08	6 3 50	Hughes 6-1/2 #5. Hard brown shale.
6330		Eastman Single Shot: Off 30, N. 190 E.
6350	6375	Hughes 6-1/2 #6. Hard shale and shells.
6375	6391	Hughes 6-1/2 #7. Hard shale and shells.
6380		Eastman Single Shot: Of 3°, N.30° E.
6391	6432	Hughes 6-1/2 #8. Herd shale and thin shells.
6430		Eastman Single Shot: Of 3-3/4°, N. 36° E.
6432	6434	Core #18 1-1/2 ft. recovered, June 23, 1939. (Globe) Hard
		laminated brown sub-organic shale. Dip 45°. Good CCL4
,		cut. Some tar in fractures, and slight tar impregnation.
		Secondary banding about an inch thick to dark gray from
		medium brown. Siliceous segregation blob, and some dark
		gray sub-chert. Minor slickensides. Clean fracture
		split on bedding, but not easy like "poker chip".
		Amount of siliceous shale is minor. Droplets of free
		oil in one fracture.
6434	6459	Hughes 6-1/2 #9. Hard and very hard shale.
6459	6450	June 24, 1939, ran Macready core barrel in attempt to get
		oriented core. No recovery, - too hard. Got hole de-
		viation of 3-3/4° at 6438.
6450	6489	Hughes 6-1/2 #10. Hard brown shale. 3' shell.
64 89	6532	Hughes 6-1/2 #11. Hard brown shale and thin shells / Bolivina Tumida
	6530	Eastman Single Shot: Off 5-3/4°, N. 38° E.
	6 580	Eastman Single Shot: Off 5-3/4°, N. 38° E. at 6520
65 3 2	6583	Hughes 6-1/2 #12. June 28, 1939. Hard brown shale streaked with thin
		shells. Mud #71; Vis. 55.
6583	6618	Hughes 6-1/2 #13. Hard shale. Thin shalls.
	1	
		June 29: Ran Eastman formation tester. with bottom
		at 6618', set packer at 6043' inside 7" casing. Fluid
		rose 2931 feet in 4 hours 20 minutes. About 1/2 mud.
		1 stand slightly oily mud, - grades into water. Salt
		content: 168 grains on test #1; 148 grains on test #2.
•		
6618	6658	Hughes 6-1/2 #14. Hard brown shale.
	6680	Eastman Survey: Off 8-3/4°, N. 44° E.
	1	
	1	

PAGE 5

6695	6722	Hughes 6-1/2 #16. Hard brown shale, chert streaked.
6722	6740	Hughes 6-1/2 #17. Hard shele, chert.
0 7 22	6730	Eastman Single Shot: Off 8-3/4°, N. 38° E.
6740	6760	Hughes #18. Hard brown shale and Chert.
6760	6802	Hughes 6-1/2 #19. Hard brown shale and thin cherty shells.
0100	6780	Eastman Single Shot: Off 10-1/2°, N. 38° E.
6802	6836	Hughes 6-1/2 #20. Hard brown shale, cherty.
3002	6830	Eastman Single Shot: Off 10°, N. 38° E.
6836	6876	Hughes 6-1/2 #21. Hard brown shale or chert, softer.
	6880	Eastman Single Shot: Off 10-3/4°, N. 38° E.
6876	6915	Hughes 6-1/2 #22. Brown shale and chert.
6915	6936	Hughes 6-1/2 #23. Hard shell; 12' soft shale, and hard shele.
6936	6950	Hughes 6-1/2 #24. "Soft or fractured".
0000	6950	July 8, 1939. Ran Schlumberger.
	6946	Temperature 201° F.
6950	6997	Hughes 6-1/2 #25. Brown shale. Some chert.
6997	6998	CORE #19 Globe. 1' recovered. July 9, 1939.
000,		Dark brown well bedded shale, with some oil impregnation.
		Good smooth parting on bedding. Slight cut. Hard dark
		brown cherty material. Core is over 95% finely arenaceous,
		very dark brown shale. Dip 280. Arenaceous zone of
		Monterey.
	7000	1 Bulimina
6998	7025	Hughes 6-1/2 #26. Brown shale. 5' hard or shell.
7025	7050	Hughes 6-1/2 #27. Brown shale, chert streaks.
7050	7067	Hughes 6-1/2 #28. Hard brown shale and shell, chert.
7067	7101	Hughes 6-1/2 #29. Hard brown shale. Streaks chert.
7101	7131	Hughes 6-1/2 #30. Hard brown shale and shells or chert.
7131	7175	Hughes #31. Hard brown shale, streaks chert. (0.3.3.)
	7170	Top main chert body.
7175	7187	Hughes 6-1/2 #32. Hard shale, streaks chert, shell. (0.#.S.)
		July 15, 1939: Ran Schlumberger to 7185'.
	7185	Temperature 206° F.
		Ditch Samples: Contaminated above about 6200'.
		6207 Uniform brown hard shale.
		6220-6230 Fairly uniform gray brown shale.
		6240 Half same, and half lighter brown to light gray siliceous
		shale or lime.
		6250-70 Brown shale. 6290 softer.
		6270- Brown shale. About same but,
		6300 Slightly darker color. Fair cut CCL ₄
		6300 Some shale and light gray chips ls.
		6310 Brown shale and light brown cherty shale.
		6320 - Same -
		6330 Brown very finely silty shale with crushed organic debris
		similar to above Drys gray. Faint CCL4.
		6340-6430 Laminated brown shale - probably banded as represented by
		dark and lighter brown oil stains at 6390'. Good CCL4 cut
		at 6410'.
		6430 Similar - but increase in light gray to tan cherty material.
		Good CCL ₄ cut.
		6432-34 Core #18
		6440 Like core.
	1	

PAGE 6

			_
		6450 Similar to core and to 6600 - Probably harder at 6530 and 6560.	
		6600-6646 A uniform shale streaked with cherty or limy shells. 6646-6946 Similar shale with increasing chert or lime to 18% at 6950'. July 8 - Ran Schlumberger.	
		Shoe at 6052-6948'. Ditch samples similar down to 7160'. 7180 and below show large increase in amount of cherty material. Top chert between 7160 and 7180 - or - 7170'.	
		Ditch samples down to 7378 all show much more chert than above 7170. Many good oil cuts from cuttings.	
718 7 7207	7207 7216	Hughes #33. Hard shale and chert; hard shalls, streaks brown shale. Hughes 6-1/2 #34.(0.7.8.) Hard brown shale and chert.	
7216	7239	Hughes 6-1/2 #35.(03.) Cherty shale.	
7239	7362	Hughes 6-1/2 #36. Cherty shale. (H.R.)	
7 2 6 2	7301	Hughes 6-1/2 #37. Shale and chert. (H.R.3.)	
7301	7339	Hughes 6-1/2 #38. Shale and chert. (H.R.S. type) (Bit made 38'; reamed down 24'.) Lost 2-1/2' of mud from pit in 5 hours.	
7339	7382	Hughes 6-1/2 #39. Chert, hard shale, and shells.	
•	7382	Total depth. July 21, 1939	
		July 22, 1939. Ren Schlumberger to 7380'.	
	7380	Temperature 219° F.	
		July 23: Ran liner to 6963'. 1427' of 5-3/4", #22.5, includin 647' perf. on bottom. Perforations: 250 mesh, 10 rows, 2" slots, 6" centers. Cast iron shoe, and Bowen open liner hanger	
		When set: Bottom - 6963'. Top of perforations -6314'.	
		Displaced mud with water, and washed walls with 3-way jet.	
		When set: Bottom - 6963'. Top of perforations -6314'. Displaced mud with water, and washed wells with 3-way jet. July 26: Landed 450' of 4-1/2" liner with 250' perforated on bottom of string, at 7382'. July 27: Swabbed thru 3-1/2" D.P 1800 B/D-rate - black	
		July 27: Swabbed thru 3-1/2" D.P 1800 B/D-rate - black sulphur water, Salt content 425 grains per gallon. Fluid during swabbing 300-600' below surface. Swabbed from about 3000' with 68 stands D.F. in hole.	

Pulled 4-1/2" liner and cemented off lower zone with 60 sacks cement, spotted by Perkins. Located top of cement plug at 7057'.

July 29: Swabbed fluid, all water, down to about 4000' in a few hours. Fluid entering D.P. at about 6900'.

July 30: Stopped swabbing at 4 P.M. Pulled out 20 stands. Ran swab at midnight. Fluid at 4165'.

July 31: Ran swab 6 A.M. Fluid at 2635'. Swabbed all water black, gray, yellow, lowering fluid about 800'. Pulled drill pipe. A few stands coated from skim of oil collected at top



of fluid. Oil guessed at 15°.

ABANDONMENT: Final condition of hole:

4-1/2" liner pulled.

Cement plug bottom up to 7057'.

 $5\frac{3}{4}$ pulled from 6763 leaving 200 feet from 6763 to 6963.

Cement plug 5972 to 5930

7-5/8 shot at 2830 and pulled

Hole filled with heavy mud below $10\frac{3}{4}$ shoe Cement plug at $10\frac{3}{4}$ shoe from 2830 to 2782

Left standing to convert to water well.

Approved by Mivision of Oil & Gas report dated Aug. 8, 1939

ed XX

SUBMIT IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

DEFUELVED

ROV 1.2 1937

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

CORE RECORD OF OIL OR GAS WELL

Fiei	D Wild	cat - S	Side S	nta Mar	valley	COMPANY O. C. FIELD GASOLINE CORF	ORATION	
Sec.	21	, T. 9 1	, R.	33 W.	В.	& M., Elevation 975 Well No. Corporation	<u> </u>	
is a	complete a	mphance wi nd correct re	th the prov ecord of al	risions of S I cores take	ection 18, C en in this we	Signed Signed Color of 1915, as amended, the information of the depth on the accompanying log.	given herev	with
Date	Nover	mber 8, 1	L9 37			Title President, Secretary or	Agent)	
TE	MAKE OF BARREL	SIZE OF BARREL	FROM (DEPTH)	To (DEPTH)	CORE RECOVERED	DESCRIPTION OF CORE	ETHER Test	CONDITION OF CORE
					ORD, INC	LUDING CORE RECORD AND SAMPLE RECORD		
		IS ATTA	CHED HE	RETO.				
:								

DIVISION OF OIL AND GAS

LOG OF OIL OR GAS WELL—CONTINUED

FIELD WILDCAT - STATE SENTE MATIE Valley COMPANY O. C. FIELD CASOLINE CORPORAT
--

Sec. 33 W., S.B. B. & M. Well No. Gorgovet10n #1

FORMATIONS PENETRATED BY WELL							
DEPTH TO		Thickness	Name of Formation				
Top of Formation	Bottom of Formation	`	Name of Formation				
0	1040		Sand and gravel				
1040	1150		Fine sand				
1150	2490		Brown shale and thin shells (See core record tabulations of "shells")				
2490	5446		Gray shale and siltstone with a few hard "shells" and fine sand.				
		(Note:	Detailed formation log is incorporated in core record and sample record)				
1							



SUBMIT LOG IN DUPLICATE

SLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PA

DATE DESCRIPTION OF AND GAS ROUNTED KOV 1 2 1937

STATE OF CALIFORNIA DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

		D	171510	N OF O	11L A —	ND	373	SANTA I	MRIN	, california	÷
			LOG	OF OIL OR				Can	you		
OperatorC	. C. FIELD	GASOLINE (CORPORATI					,		a Valley	
Well No	Corporati	on # 1		Sec							
_		Eng. Menth	of West	corner o	f Sec.	21		E	levation	975	
In	ocompliance wi record of the p	ith the provisio	ns of Chapte n of the well	r 718, Statutes and all work d	of 1915, one there	as amend on, so far	ed, the inf as can be	ormation determin	given he	all available	records.
. No.	vember 8, 1					Signe	d 6		L	el	-
2 400	Porter I		A. E	. Ireland			le	7.1	vo.		
(E	ngineer or Geologis	t)	(S	uperintendent)					<u> </u>	t, Secretary or A	
Commence	d drilling Aug	z. 29, 1936	<u> </u>	Completed	drilling_	Nov.	30 <u>, 193</u>	86	_Drilling	tools Rota	
	h 5 44 6						GICAL MA		•	DEPT	
					•		e Grave			104 115	
							sand (249	
						Foxen				<u> </u>	
Commence	ed producing		(date)	I	cross out	unnecessary	umping words)		1		
			Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion		Gas Mcf. per	Gas Mcf. per day		Tubing Pressure	Casing Pressure
	Initial pro	oduction									
Pr	oduction after	30 days									
				ASING RECORD			Grade	Size of		Number of Sacks	Depth of Cementing
ze of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamle or Lapw		of Casing	Casing la	nded in	of Cement	if through perforations
10 2	2796	Surface	40.5	New	Seaml	ess		15	2	500	
					 			-			
		<u> </u>		PERFO	RATIONS						
		То	Si	ze of Perforations		Number of Rows		ance Centers		Method of Per	forations
Size of Casing	From	ft.									
	ft.	ft.				Maps	Model	Cross Section	Cards	100 18	<u> </u>
	ft.									0.33	2
	ft.					<u></u>		1.4	9.	Mor Mo	
	ft	. ft.				NA	Comp	ulle.			
	Electrical Log	Depths							(Attac	h Copy of I	Log)

RECEIVED NOV 1.2 1937

DIVISION OF OIL AND GAS

History of Oil or Gas Well SAMTA DATE. DATE OF THE

		/ /		., 0. 0 0.		_		a a contract of the contract of	ter complete contracts at the
	ween no a	Cass	santa Maria	Vellew		O. C.	с.тятя	GASOLINE	CORPORATION
FIELD.	Wildcat -	- S. Side	SHIPS MALIA	ASTIBA	COMPANY	0. 0.		<u> </u>	
				S.B.					<u></u>
Date	November	8 , 1937			Title_		Dr	Tourished to	

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reason for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Location: 980 East and 570 North of West & corner of Section 21, T. 9 N., R. 33 W.

Elevation: About 975

Spudded: August 29, 1936

Sept. 29: Ran Schlumberger - Surface to 2672

Oct. 3: Cemented 104, #40.5 casing at 2796 - 500 sacks. Drilled to 4562

Oct. 29: Ran Schlumberger from 2797 - 4187. Drilled to 4982

Nov. 12: Ran Schlumberger 3682 - 4964. Tried repeat clock but found soft bridge at 4100

Nov. 30: Drilled to 5446 (bottom)

Core from 5432 - 5446 reported to be Sisquoc

Nov. 30, 1936: Suspended operations until more geological data is available.

Left hole full of heavy mud.

O.C. Field Gasoline Corp "Corporation #1" Santa Maria District, Santa Berbara County, California

Loc: 980 East and 570 North of West Toomer of Section 21, T. 9 N. R. 33 W. Elev: About 975 Spudded Aug. 29, 1936. Electric power; #5 drawwozks; 5" D.P.; 172" bit.

Well starts in the upper part of the Paso Robles formation.

apparently sand, gravel and clays from drillers log. Occasional 0 - 490"shells".

Ditch samples started at 490.

Assorted water rounded pebbles up to 3m in fine sandy & clayey matrix. 490 - 500 Smaller poorly rounded, assorted pebbles & medium grained buff-brown 500 - 920sand. Poor sorting. Fragment of pecten shell @ 540; mud with small shell fragments @ 550; sandy @ 560; more sand & clay @ 610, but very little difference, - seems gradually finer & sandier, & smaller pebbles with depth; fragments of black & red burned oil shale Grandent the the state of the s finely broken and unrecognizable; 830-890 increase in fine sticky sandy clay of matrix; fine shell fragments @ 880-900 and 920-930

Similar but lumps of fine light buff and yellew clay; 950-960 assorted poorly rounded pebbles 1/8 - \(\frac{1}{4}\) inch, - apparently much of finer stuff washed out of sample; shell fragments @ 990-1029; 920 - 1040 pebbles, a few shell fragments, and lumps of sticky clay @ 1040.

CHANGE

Soft sticky uniform graines slightly arenaceous shale resembling the 1040 - 1150 "flour sand" at the top of the Foxen. Poor digging. Make hole fast wi WKW bit but necessary to ream back to bottom. WKW bit poor; Dean 3 way bit poor; Hughes fair. Formation not firm, - mixes with mad making a soupy sample. Continues to come in hole below base which is estimated by first appearance of chips and flakes of the firm dark gra; (when wet) underlying shale. Samples very muddy, and almost impossible to find pieces of pure sample. A few spots of fine gray sand in the mud. Chunks of flaky firm shale first found in the 1150-1170 sample.

CHANGE

Foxen shale. Uniform firm shale to fairly hard below about 1600, dark gray (light when dry) finely arenaceous shale with bugs 1150 more or less thruout, - esp @ 1313-1320, 1561,1756, 1770-1772, and others.

Below 1295 formation has numerous "shells" of First hard shell. 1295 hard dense limestone, and siliceous material. 1561 very hard black amorphous shell, - flint (scratches glass).

CORE #1. 4' rec. upper foot fine friable gray sand with strong 1259 - 1269 sulfur smell logged. Lower 3 feet Gray finely arenaceous shale with a few bugs. Dip about 80.

> A few oil stains in fractures of the "shells", and on a few of the partings in the shale, esp. @ 1481.

Hole reduced to $15\frac{1}{2}$ at 1251.

O.C. rield Gasoline Corp. "Corporation #1"

			Surveys
Hard shells logs	ged by dri	illers as follows:) Eastman single shot.) 200 feet hole straight
1295 - 1298	FIRST.	3 feet) 700 " off 30 N.50° E.
1453 - 1455	#2	2 feet) 1150 " " $\frac{10}{4}$ same
1472 - 1477	#5	5 feet) 1925 " * 210 N. 60 E
1493 - 1494	#4	1 foot	
1526 - 1528	#5	2 feet	2958 " Off 230 N. 330 W.
1561 - 1568	#6	7 feet	}
1614 - 1615	#7	1 foot	
1643 - 1647	#8	4 feet	Schlumberger ept. 29 to 2680
1653 - 1656	# 9	3 feet	and others.
1669 - 1670	#10	1 foot)
1670 - 1695		10gged "hard brow	n shale with thin shells".
1701 - 1704	#11	3 feet	
1721 - 1724	#12	3 feet	•

And others. This refers only to the limestone-chert section of the Foxen.

1481

Hughes bit sample. Brownish-green clay shale (when wet), gumbo type, but with pieces of the hard shell from just above, a bed of calcareous shale with fresh heavy oil stains on fractures. Massive, and with some horizons carrying lots of bugs. Generally finer than Core #1. Hughes bit sample. Chunks of "shell" of hard black flint (harder than 1561 glass), and limestone. Also shale: dark gray massive conchoidal (?) clay shale with lets of bugs. Shale looks same as 1320 sample flakes Same dark gray flaky firm shale. Bugsa. Alternating with several 1853 "shells". Poorly rounded uniform well sorted fine gray quartz sand. No out CCl4. 1855 - 1856 Shale same as above sand, again. 1856 - 1860 Bit sample. Dark gray shale and chunks of brownish gray silt. 1860 Foxen bugs. - Goudkoff. Bug elusters (?). Same shale but darker gray, and with thin zones of fine gray sand 1950 0 1953, etc., and chips of both shale and silt. Thin sand 0 1955 Shale similar to that bove 1850, but more toward siltstone, and 2000 - 2100 slightly more splintery. No bugs. Lost circulation. Lost several tanks of mud on breaking thru a 2118

2120 - 2122 Core #2. 2 ft. rec. Soft somewhat sheared and frectured shale.

Occasional oil spots. Also brownish silt with bugs. Bottom, a few inches fine gray floury sand.

(Detail from 2000 to core #1 at 2122)

1998 - 2003 Fairly hadd brownish silty shale. Bugs scarce and poorly preserved.
Splintery fracture. Also chips of hard shell.

2015 - 2020 Fairly hard fine silty brownish shale in splintery flakes. Small amount of fine very fine blue-gray sand. Small amt. friable shale. rew softer pieces with more bugs.

2025 - 2040 About the same, - somewhat splintery brown silty shalw. Some bugs.

2055 - 2060 About the same. Fairly hard brown silty shale. Seems massive with splintery tendencies.

2065 - 2070 Similar. A few pieces with well preserved bugs.

2085 - 2090 Same.

2098 - 2103 Same. Seems harder. More gray when dry.

2103 - 2113 Hard brown silty shale. Poor bugs. A few softer pieces with bugs, - rare

2120 - 2122 Core #2 See above.

2122 - 2137 Log: Hd. br. sh.

2137 - 2143 * Very hard shale & shells.

2143 - 2146 * Hard shell

2146 - 2151 * Tough brown shale.

2156 - 2180

Tough brown shale. Slight oil show in "shell" fractures. Gas on ditch.

Mostly flakes of fairly hard brown siltstone with bugs. Also pebbles,
but probably from up the hole.

2280 About same. Gas on ditch.

2288 - 2297 Core #3. 9ft. rec. Finely silty dark mud shale. Dip about 8°.

Hacklyy fracture and a few bugs. Last 6 ft. is mottled siltstone with curly irregular bedding, - blobs & gray segregations in the brown. Also mud shale. Irregular bedding. O&G on ditch.

2325 Seems to be about the same as the core #3. Has a few bugs.

2325 - 2330 Hard calcareous shell. Tar on fractures and in loose lumps.

g 2400 Same, with dark soft brittle fine cherty looking flakes © 2375-2400, - probably a piece of "shell". Gas on ditch.

2400 - 2485 About same as last core. 2460-2473 finer, harder, bits of hard shell, and sandier.

2485 - 2490 Medium grained sand and chunks of siltstone different in appearance from above. Strong gas show. Changed mud.

2490 CHANGE BASE OF FOXEM.

1

2490 CHANGE TO OF SISQUOC

2500 Argillaceous gray sand. Curly mottled gray siltstone. Distinctly **2516 -** 2529 Core #4. 12 ft. rec. gray in contrast with above formation. Est. dip 150. Blobs of gray clay shale. hite "augens", etc.

2539 - 2544Very hard shell.

Gray siltatone. Rame sea shell fragments. 2544 - 2550

Gray silt and silty shale. Logged: "Thin shells and soft 4" - 6" 2553 - 2584inches under them".

2612 Gray silty shale.

Fine blue-gray silty sticky shale. 2612 - 2800 Ran Schlumberger

Oct. 3, 1936 CEMENTED 102 #40.5 casing. 500 sax. Big tar show while cementing. Drilled out to 2500 Oct. 9, bailed to 2500 Oct. 10. found bridge 3 stands up when attempting to bail bottom sample. Gas caught fire when putting mud in hole.

Core #5. 20 ft. rec. Conchoidal, incipiently bedded, fine, 2830 - 2850medium dark gray mud shale, and silty shale with embedded sand grains. (black). About 2 ft. very hard dense medium to fine grained sandstone, with vague but definite fossil casts, about 2847. 6 inches light gray limy (ashy - ?) gnarled zone, with same dark gray, finely silty shale below it.

Fine gray massive mud shale. Conchoidal tendency and splintery chip 2850 - 2940fracture. Logged as: Sticky blue, "tough blue", etc.

2940 - 3056 Same. Same. Fine sample showed sea shell fragments and a few sand grains. 3191

Hard tough shale, - 3 feet in a tower with Dean rock bit. Strong 3191 - 3194 show oil & gas on ditch. Fine sample of fine gray sand. 0 & G show about 10 minutes.

Same gray shale as that above 3191, - decidedly flakey. 3194 - 3200

Essentially same gray clay shale in flakes. Some slightly silty. 3200 - 3250

All very similar massive dark gray shale (when wet; light blue-gray 3250 - 3330 when dry), with slightly more silty aspects with depth, but alternating to fine compact clay shale. Apparently a few thin stringers with possibly oil & gas (but may be repitition of same show. 5262 and 3330 strong oil & gas shows, but may be same one. All last about 10 minutes.

Same gray compact flakey to splintery shale, but hard. 3**330 - 3346**

Hard shell of sandy to fairly pure light gray limestone (fizz HC1) 3346 - 3349

Essentially same as gray clay shale above the limestone shell, with a few 3349 - 3501 zones slightly more silty.

O.C. Field Gasoline Corp. "Gerperetion" #1

Core #6, 20 ft. rec. Massive large (about 6") breaking conchoidal 3501 - 3521 dark gray clay shale with lots of well preserved forams and numerous poorly preserved sea shells in lower 5 feet. Forams that Top about 6 inches hard light gray clayey limestone (fizz HCl). Also a few limestone blobs or incipient concretions. Dip about 10°. Same medium hard. Sea shell fragments. 3500 Fine medium hard mud shale in flakes & splinters. Dark gray. 3600 - 3610 White slurry, part calcareous, in fine sample. About the same in slightly larger fragments. Bugs & fish remains 3610 - 3630 Fragments light gray limestone Same, - a few pieces fine gray sand. 3650 No Sample. 3650 - 3685 Same gray shale, with increase sand in the fine sample. 3685-90 Similar, but more silty in places, and more sand in fine sample. 3700 - 3760 Somewhat more brittle. Light gray limestone fragments thruout. Faint alternation dark gray silty shale to dark gray fine gray shal 3809-3822 - Sand - (Schlumberger) Same. Still some limestone and sea shell fragments. Small amt 3860 very fine gray sand. (NOTE: Much of the fine gray sand washed out in the fine samples is probably concentration of the sand grains out of siltstone.) Fine sample 80% sand. 3885 Fragments gray clay shale and about 10% fine sandstone & miltstone. 3885 - 3900 Fine gray sand. 3905 Chips of siltstone, fine gray sandstone, & derk gray shale. 3905 - 3910 rine gray sand. 3915 Flakey dark gray shale , fine sandstone, & siltstone 3915 - 3920Fine gray sand. 3925 Brown silty shale and gray siltstone, and fine gray sandstone. 3925 - 3955 Chips of brownish-gray silty shale, and gray siltstone, and fine 3955 - 3960and (Schar lunger) friable gray sandstone. > 395-4 - 3480 Mostly fine gray sand. 3960 - 3965Principally brownish-gray shale with some gray siltstone. 3965 - 39703975 Fine gray sand. Brownish-gray shale and fine gray sandstone. 3975 - 3980 Fine gray sand. Larger sample. 3985 Gray shale with chips of fine gray sandstone. All loosely sandy. 3985 - 3990 Fine gray sand. No cut - CCl4. 3995 Gray fine medium hard sandstone, and gray shale, - 50-50. 3995 - 4000 (3582-4000 drills like sand; very slight gas & oil on ditch) Core #7. 16 ft. rec. Gnarled gray mottled sandy siltatone.

Average dip est. 10° - 15°. Fairly sandy. D.P. well polished 4002 - 4022 3935-4032.

Apparently tough shale. Decrease in sand in fine sample. Digs

"tough". Fine to slightly silty shale @ 4050. Tabular

break. Fish scales. Very poorly preserved forams.

About same, but slight increase in % of sandy & silty chips. sand (schow hough 4105 - 4150

4032 - 4055 .

4060 - 4065

```
Log: "hard shell"
      4155-4156
                        11 11
      4192-4194
                  Essentially the same, - gray muddy sandy siltstone. Some of sand
4200
                    showed faint CCl, cut (very faint). Good digging.
                    Fine gray sand in bucket samples; silt & shale flakes in
                    screen samples. Increase in gray sand @ 4210.
                   occasional sea shell fragment.
77:2-1225
                 Sand - (Sid in also symp)
                Core #8. 10 ft. rec. (bottom 10 ft. lost, - catcher broke).
4220 - 4239
                Upper foot crumbly fine gray sandstone; then 6 ft. good rec.
                  light gray medium hard, (dug fast), sandy & muddy mottled
                               a few more feet fine gray crumbly sandstone;
                  Bottom 6 inched slate-gray hackley fracture shale with fish
                  scales and Sisquoc age forams.
                  Faint CCl4 cut in the crumbly sand. Funny "horse medecine" smell.
                  Dips uncertain, - seem vaguely about 20°.
                About the same, but streaks of soft white material like soft plaster
4239 - 4265
                 of Paris (no fizz - HCl).
7250 - 4285
                Log: "shell"
 4265 - 4267
                Brownish-gray finely silty, medium hard shale, some silt & sand.
 4267 - 4300
                   More limestone. Fossil fragments, but look like the ones
                                     Shale is some thin flakey, some tabular.
                   at around 3500.
 4295- 4325
                 Inegular fine 10. 1 (Schlundunger)
                 Same. Very faint CCl, cut in sand chips.
 4300 - 4310
                 Fine gray sand, - larger sample.
    4315
                 Fair gas show; faint oil show. Large sample of fine gray sand
    4320
                    taken in bucket during show,
                 Principally finely arenaceous gray shale. Few fragments of limestone.
 4325 - 4335
                  A few bugs in some chunks; small amt of siltstone.
                Fine gray sand, - about 1% fine brown shale grains
     4325
                 Dark gray very finely silty shale, and fine brownish clay shale.
 4345 - 4350
                    rew fossil fragments & pieces of limestone. Small amt fine
                    ss. & silts one.
                  Sand - (Schlenburger) - Story yas when cleany good.
 4345- 4290
                 All bucket samples contain fine gray sand. Screen samples consist
 4350 - 4420
                   mostly of gray, slightly silty shale with lesser amounts of fine gray
                   sandstone and gray siltstone, and minor amounts of light gray is.
                   small gas show on ditch since 4320.
                   Unly difference in all samples is scattering of more brownish
                   fine silty shale in minor amounts.
                        medium hard shell.
 4431 - 4434
                 Log:
                 All fine samples contain fine gray sand, - almost white when dry.
 4420 - 4562
                  Screen samples are of gray clay shale, light gray siltstone, and
                  small amount of fine gray sandstone.. No lamination of Monterey
                  type. Silt coatings on shale flakes suggest rock is mottled silt-
                  stone with shale. Good digging, - 50 - 70 feet a tower.
                  Siltstone fragments saggest possible presence of organic debris, very
                   fine, and interstitial to the fine sand grains.
                                                                    Fracture on the whole
```

thin flakey, but does not seem to resemble "poker chip".

of ss. are full of fine material.

Some very light gray groungmass in ss. @ 4515, etc., - strongly

calcareous. Still fossils, but look like, and are in same kind of shalas 3500 ft. zone. Est 60 sh. & fmn probably impervious as pores

4562

Oct. 28, 1936. Started laying down 5" Drill Pipe.

Ran Schlumberger.

Changed to new 32" internal flush joint D.P.

Ran Eastman survey to 2958. Hole off $2\frac{30}{4}$, N. 33° W.

Running new Drill Pipe Nov. 2: bridge at about 3100. Strong gas show cleaning out from 3100 - 3350.

Log "mud ditch showing lots of gas" cleaning out @ 4060

Nov. 5: Cleaning out @ 4300, - "Lots of gas". A.M. tower.

" (daylight): Cleaning out to 4562. "Found gas showing between 4375 and 4400. Showed gas at bottom, more so from about 4490 on" Dumped 7 sacks aquagel.

"Trying to come out of hole, too much gas", - Log. Gas forced mud up thru drill pipe when Kelly was unscrewed.

Got out and in again and drilled to 4582 with "good gas showing on mud ditch".

Nov. 7: Came out of hole @ 4606 after 20-25 feet tough going. Bit badly worn (sand -?). Tried Dean rock bit, - NG, balled up before getting to bottom. Went in with ε Fleet bit.

(NOTE: Shale up the hole was mudded off with aquagel, hence a marked decrease in the amount of shale in samples.

4570 - 4581

Small poor sample. Apparently sandy silt.

4585 - 4590

Cuttings of fine sandstone and silt. Faint CCl₄ cut in the ss. chi Fine gray sand. Fine, but slightly coarser than up the hole, i.e.

4590 - 4600

about 10% of the grains are somewhat coarser. Bit scoured.

4600 - 4630

All samples fine gray sand, probably representing silty sandstone. About same. Drills like sand. Fair gas on ditch. 8 1 Sand - Schermlage

4640 4655 - 4665

Small amount chunks of shale in top, -Core # 9. Full rec. could possibly be from above, but a few seem prohably in place, being 2-3 inches across. Rest of core (9-10 feet) im very fine silty sendstone (or very sandy siltstone), gnarled and mottled. Very faint cut with CCl₄. Poor dip possibly 27°. A few poorly preserved fossil fragments. The shale contained

Sisquoc forams.

4665 - 4700

rine gray sand and siltstone, small amount of shale. Rock probably about same as Core #9. Gas on ditch @ 4685.

76.90 - 4717 - 4720 - 4720

About the same. Silty fine ss. Sm: 11 screen samples.

4725

Large bucket sample of fine gray sand (no cut); no screen sample.

1731 - 4752

rine gray sand.

Salaningh 4742 - 4747

Fine gray sand and chips of gray shale & brown shale. Small sample

4747 - 4752Fine gray sand. 4749 - 4750

"Hard shell"

4752 - 4757

Small sample gray silty shale. Bither represents contamination or very small amt of shale, or probably shale is making mud.

4761 - 4764

"Hard shell". Gas show after breaking thru.

4765 - 4770

Gray sand and fragments of gray siltstome & brown silty shale.

- 4770

Fine gray sand, - possibly slightly coerser

4775 - 4777

"Hard shell". Probably limey from ls. chips.

4777 - 4780

Fine gray sand & siltstone. Few fossil fragments in sandy silt. small a ount limestone chips. Very smallamount of oil

- 4800

Fairly good gas show on ditch.

- 4830

Finer sand and less of it. Also very small shale samples.

4840

Fine gray sand. Small sample, - about a tablespoon. Taken same way.

4840 - 4845

Fair sized sample dark gray silty shale.

4850

rull glass, fine gray sand

```
Small sample, gray slight; y silty shale
4850 - 4855
                Slightly coarser, but still fine gray shale sand, very uniform.
   4860
                  Faint light brown smears, - very dilute oil in spots - ?
                  Very faint cut CCl ..
   4870
                Same
                jar finely silty brownish-gray shale.
4875 - 4880
                Same. Slight increase in amount of sand at 4895.
   4900
   4930
                Same. Increase in sand quantity.
   4935
                Sandy gray silty shale.
   4940
   4945
                b jar fine gray sond.
Nov. 12, 1936: Ran Schlumberger from 4964 up to 3682. Han 2nd run for 10 ft. diam
                 eter resistance curve. Tried to repeat 5 minutes after
                 passing coming out but found soft bridge at 4100.
                                        Hard massive dark gray shale. Large
4966 - 4982
                Core # 10. Full rec.
                 (2 - 4 inches) conchoidal fracture. Silt segregations rare.
                 few fish remains. Hard, but exfoliates readily. Makes mud
                 when drilling. Contains abundant forams in the shale.
                 Good "Reef Ridge" fauna. Dips about 150.
                Hard tough shale & shells. Apparently same as core.
4982 - 4999
Shut down Nov.
            Cleaning out. Good gas show commencing at about 4000 to bottom.
Nov. 22:
                (Probably all from same place.
                 Hard tough shale. Apparently same.
                                                      Reduced hole from 9-5/8
4999 - 5005
                   to 7-7/8 to 5011; 7-5/8 hole below 5011.
                 Dark gray siltstone & dark gray shale. Good bugs in a few chips.
5011 - 5015
   5030
                 Fine gray sand. Very faint CCl cut.
 5035 - 5040
                 Gray shale & siltstone.
                 Mostly fine gray shale. Some siltstone & fine sand. Chip of ls.
5040 - 5045
5045 - 5050
                 Gray shale and some siltstone.
                 Fine gray sand with gray shale & siltstone.
    5055
                 Finely silty dark gray shale.
 5060 - 5065
     - 5070
                 Same.
 5080 - 5085
                 Gray shale.
 (Note: All samples small, - less than \frac{1}{2} or \frac{1}{4} jar from 5075 to 5274. Shale probably
   making mud.)
                 Bucket sample. About teaspoon of fine gray sand.
 5085 - 5090
                 Small. Fine gray sand.
    5100
                 A few chips of gray shale & siltstone.
 5100 - 5105
                 Fine gray sand.
     5110
                 Gray silty shale & Siltstone.
 5110 - 5115
    to
                 Same formation.
    5140
                 1/3 jar, fine gray sand.
 5145 -
 5145 - 5150
                          fine sand & siltstone
                  17 17
 5155 - 5160
                          gray silty shale.
                 jar gray sand.
 5165 - 5170
```

Ø,	,ť	5175 5175 - 5180 5180 -5185 5190	jar fine gray sand. jar gray siltstone Gray silty shale. jar fine gray sand.
) D .	m d a 1 m	5200 - 52 74	All small samples, - less than $\frac{1}{2}$ a jar. Apparently much shale which makes mud (several tanks pumped to sump). Log gas show commencing at 5200. Also oil show of flecks of oil buoying up chips of shale and fine sand floating on ditch. However they are scarce and showed Nov. 26 Efternoon and part of next morning. Fair show of gas on ditch at same time. Better shows seem from below 5250. From samples, formation apparently all shale and siltstone with stringers of medium fine sand, - at 5215, 5225, etc.
	t o o h	52 74 - 5289	Core # 11. 14 ft. rec. Slate-gray shale. Lassive with irregular conchoidal fracture, but showing bedding planes where interbedded with thin (1/8 - 1/4 inch) stringers of sandy silt. Hard or tough, but breaks easily when struck, - spalls off. Steep dips of about 50°. Dips quite clear in enough section to be reliable. Numerous well preserved forams in scattered zones. Rare fish remains.
	t	5 289 - 5305 5305 - 5310	Ditch samples indicate same as core. Bucket sample gray sand, slightly coarser than usual.
V	o r h a n	5310 - 5350	Seems about same as core. Some cuttings or shavings of steel-gray or blue-gray finely silty, fairly hard shale (These commenced at about 5150) which occur in thinly shaved leaves. Apparently interbedded with material in core # 11. Hard at 5338. Used nughes rock bit.
	d •	5370 - 5 432	prilled with Hughes rock bit. Principally gray shale and silty shale and siltstone.
(1	38°)	5432 - 5446	Core # 12 Nov. 30, 1936bout 12 ft. rec. Mottled, gnarled, cross-bedded (on small scale of a few inches) hard, dark gray siltstone. Medium to fine grained in sandy parts, but seems to have interstitial silt and low porosity. Dense. No cut CCl ₄ . Steep dips, - 55° - 60°. Minimum at one point due to cross bedding 30°. Fess segregations or blobs of limestone.

 $\sqrt{}$

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

			1	Vo. T 3-1824
	Santa Barbar	Calif	June 15,	19_ 39 _
Mr. A. E. Ireland,				
Cammalia,	Calif.			
Agent for 0 • C • Fi		•		
Your well No1	, Sec. 21	, T. 9 N.	, R. 33 W ,	S. B. B. & M.,
Cat Canyon	Field, in	Santa Barbara	C	ounty, was tested for
shut-off of water on	ent as prescribed in Se	ction 19, Chapter 718,	Statutes 1915, as	amended, and there
Location of water tested above 60 Depth and manner 2796 ft. of of water shut-off: 2856 ft. of	8-5/8 in 36	casing was	{ cemented } in	Shale Fermation
at 6052 ft. with 100	sacks Victor High	Rarly cement	y Casin	method.
Casing record of well 18* came. Reported total depth of hole 6174 ft.				
At time of test depth of hole measured	ft. and bailer	brought up sample of	see below	1)
At Time and date At Time and date		d toft., c		
strating drill pi 7. The tester valve w	terey (arenaced made. Tas drilled out had been run is corted set at 60 the 35 drill pld and remained that the packet ipe and casing. Tas one good puffice in many set one good puffice made.	of the 7-5/8" es n the hole. 32'. ipe and the 7-5, in that condition or prevented any	/8" casing wa on during the migration of	s filled with test, demon-fluid between or 37 minutes.

R. D. BUSH

State Oil and Gas Supervisor

Deputy

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

No. **T 3-1824**Page 2

Special Report on Operations Witnessed

0. C. Field Gesoline Corporation					
Well No	Sec 21 ,	T. 9 N.	R. 33 W.	S. B. B.	k M.,

THE ENGINEER NOTED THE FOLLOWING:

- 1. When the drill pipe was pulled out, approximately 130° of fluid was found in the drill pipe, equivalent to 1 bbl.
- 2. The fluid consisted of thin mud fluid with no free water.
- 3. The pressure chart indicated that the valve was open during the entire test.

THE SHUT-OFF IS APPROVED.

CC - Santa Maria Office

Mape	Madel	Sept 1	1 7844 \$2	115	100
جاها بسطيعيني براعياء				38	2-36

R.	D. BUS	H				
	State Oil	254 8	Superviele	\ \ \	L O. A	v.
	L _R	44	Mex			Deputy
	27		·			

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

					No. T	5-1384
	Santa Ba	rbara,	Calif	October		
Mr. A. E. Ireland,			;			
	Calif.					
Agent for 0.	. Field Gasolin	ne Corp.		•		
DEAR SIR: Your well No. 1		91 m	9 N	33 W.	S. B.	R & M
Your well No.	, Sec Field, in	Conta P	arbara		County W	e tested for
Cat Canyon	Field, in	DOM VOL. 12	T	D. Cese	County, wa	45 tested 101
shut-off of water on Oc	Time and date	H. 19 30	Mr	D. Case		
designated by the supervisor, wa	s present as prescribe	d in Section 19, C	hapter 718, Sta	tutes 1915,	as amended	i, and there
were also present A. E. Ir	eland, Superint	endent, and C	eo. Robins	on, drill	er	
Location of water tested	above 2796	and norm	al fluid level	not rep	orted	
Depth and manner (2796	ft. of 10-3/4 in	. 40 •5 lb.	· · · · · · · · · · · · · · · · · · ·	cemented (in shal	e
Depth and manner 2796 of water shut-off:	ft. ofin	lb.)	casing was	10/3/36	For	mation
at 2796 ft. with 500	sacks Victo	r Oilwell	cement by_	Casi	Æ	method.
Water string was landed in 1	51 rotery					hole.
Water string was landed in Casing record of well 60°		Size, rotary	or cable tool			
10-3	/4" New Standar	d Seamless as	apove			
Reported total depth of hole 280 At time of test depth of hole me At 6:00 p.m., October Time and date At 9:00 a.m., October Time and date	oft. Hole bridged f See below asured ft. and 9, 1936	rom ft. to	sample offt., drill	See belo	ailed	2500 ft.
2. Top of the Sis 3. No easing test 4. 12' of set cer sach 5. The last 100 of 6. Mud fluid was cen	men shale encour squoc formation t was made. ment was drilled	encountered i out of the was treated	at 2470'. 10-3/4" ca with quick	-setting	chemica t 2796 '	l. • prior to
THE DEPUTY NOTED THE I	FOLLOWING: red the well wh	ile standing	15 hr. fo	r test.		
•		R. D. BUSH	l and Gas Supervis	•	inued)	

_Deputy

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

No. T	5-1864
Page	2

Special Report on Operations Witnessed

0. C. F	ield Gasoline	Corp.					
Wall No	1	, Sec.	<u>21</u> ,	T. 9 N.	, R. 33 W• ,	S. B. B.	& M.

2. The bailer could not be spudded below 2765' and brought up wary heavy mmd fluid and pieces of set cement. Approval was given to clean the bridge out with the bailer and wait for further test.

THE DEPUTY RETURNED TO THE WELL AT 5:00 P.M., AT WHICH TIME MR. IRELAND FURTHER REPORTED:

- 1. Heaving shale kept coming in at the bottom as cleaning out with the
- bailer progressed. 2. The fluid level had been lowered to 2765' during the bailing.
- 3. No further progress in getting the bailer to bettem seemed possible.

THE DEPUTY NOTED THE FOLLOWING:

1. Bailer run in and spudded at 2765' and brought out about 10' of shale fragments, indicating shale had heaved into the casing.

The test indicates that the 10-3/4" shut-off is probably effective but is not conclusive because of bridge material in the casing. A decision is therefore deferred.

Oral approval given to continue the drilling of the well until oil and/or gas-bearing formations are encountered is hereby confirmed.

Please file supplementary notice to drill, covering your oral proposal to cement a solid string of 8-5/8" casing over the first showings of oil and gas cored below 2800 .

R. D. BUSH

Cross Cards Section

Model

Ber

. 50012	
tate Oil and Gas Supervisor	\sim
Office of	
By J. J. Suman	Deputy
By Dracese	

·₩.

DIVISION OF OIL AND GAS

Report on Proposed Operations

						No. P	3-2071
			Santa 1	Barbara,	Cal.	August 4,	19 36
R. A. E.	Ireland	4			,		
	Casma	lia,		Cal.	·		
A	gent for	0. C. 1	Tield Gaso	line Corp.			
ear Sir:							
Your			proposal	to drill		ell No 1	,
ection_21,	T.9 N.,	R 33 W ∙,	S•B• B. & M	_{I.,} Cat Canyon	Oil Fiel	d, <u>Santa Barbar</u>	a County,
ated July 2	28, 1936	, received	lug. 4, 1	9 36 , has been e	xamined in conju	action with records file	d in this office.
				s and the proposal			•
	E	60 feet	N. and 10	loor above s 00 feet E. f ductive oil	rom west 1/	should be encou	, 21 intered
Gize of Cs. 17" Ca. No. is.	g.,In. sing pro information set. is under	anding Weight, ogram to tion obt	them as he Lb. Per E 60 be determainable. Mat if cha	re indicated of the foot New or Section Sectin Section Section Section Section Section Section Section Section	Second Hand cond hand mations encount to be no plan become	ther cementing of the property	i or Cemente ductor at well. ny casing
2.	Mud flu drill all t Adequat opera The cha deter	id of no ing of times to e blow-cotion at racter of mined ar yed by the state of th	the well and the surface out prevent all times of the fluid if of control of this Divis	an 70 ib per nd the column ce, particula tion equipmen id content of commercial va- ion.	arly while part shall be fall porous lue shall be	shall be used id shall be maiulling the dril provided and reformations shaprotected in a	l pipe. ady for

Reo Le 150a V

R. D. BUSH
State Oil and Oss Supervisor

By Deputy

DIVISION OF OIL AND GAS

083-00315

Notice of Intention to Drill New Well

This notice must be given before drilling begins

_	7

	Cam	malia (al. July	28, 1936	19
MR. S. G. Doleman				ISION OF OIL AND	-
Deputy State Oil and	d Gas Supervisor			AUG - 4 193	
Sen	ita Barbara	Cal	SAN	ITA BARBARA, CA	-
Dear Sir:					ibell e
In compliance with Secti	ion 17, Chapter 718, St	atutes of 1915, as amend	ed, notice is h	ereby given that	it is our
intention to commence the wor	rk of drilling well No	1 , Sec. 21 , T.	-N , R. 3	3-W , S.B.	В. & М.
Cat Carryon so		Oil Field, Santa B			County
The elevation of the derri	ick floor above sea level i	is 1000 feet	subdivision)	ner of Sec.	<u></u>
We propose to use the follo	owing strings of casing, e	ither cementing or landing	them as here in	dicated:	
Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cen	nented
17*	60	Second hand	20	Conductor	
Gasing program	to be determined	by formations enco	untered. W	ild cat well	. •
No information	obtainable. Your	department to be m	otified be	fore any cas	ing
	obtainable. Your	department to be m	otified be	fore any cas	ing
It is understood that if ch	hanges in this plan becom	ne necessary we are to notified should be encountered a	y you before c	ementing or landi	ng casing
It is understood that if ch	hanges in this plan becom	ne necessary we are to notif	y you before c	ementing or landi	ng casing
It is understood that if ch We estimate that the first	hanges in this plan becon	ne necessary we are to notif	y you before c	ementing or landi	ng casing
It is understood that if ch We estimate that the first	hanges in this plan becom t productive oil or gas san Res	ne necessary we are to notif and should be encountered a spectfully yours	y you before c	ementing or landi	ng casing

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

						-	
		-	ggraph and and and a				
	Mape	Model	Cross Section	Cards	119	72	r
					4	4-4	
1		1			- Control of the last of the l		